IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Yoshiji YAMADA, et al.**

Serial Number: **Not Yet Assigned**
(§371 of International Application PCT/JP03/03478)

Filed: **February 9, 2005**

For: **METHOD OF DIAGNOSING RISK OF RESTENOSIS AFTER CORONARY ANGIOPLASTY**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 9, 2005

Sir:

In compliance with 37 CFR 1.56, Applicants call to the attention of the Patent and Trademark Office the references listed on the attached PTO-1449 and cited in the enclosed international search report. References AE-AU are discussed in the specification.

A copy of each of the references is enclosed herewith.

In the event there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 01-2340.

Respectfully submitted,
ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP

James E. Armstrong, IV
Attorney for Applicants
Reg. No. 42,266

JAM/jaz
Atty. Docket No. **050070**
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930

23850
PATENT TRADEMARK OFFICE

Enclosures: PTO-1449; References (**19**); International Search Report

Rec'd PCT/PTO 09 FEB 2005

INFORMATION DISCLOSURE STATEMENT PTO-1449	Atty. Docket No. **050070**	Serial No. **New Application**
	Applicant(s): **Yoshiji YAMADA, et al.**	
	Filing Date: **February 9, 2005**	Group Art Unit: **Not Yet Assigned**

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA						
_____	AB						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
_____	AC				
_____	AD				

OTHER DOCUMENTS

_____	AE	P.W. Serruys, et al; "A Comparison of Balloon-Expandable-Stent Implantation with Balloon Angioplasty in Patients with Coronary Artery Disease;" *Benestent Study Group. New England Journal of Medicine*; Vol. 331; August 25, 1994; pp. 489-495. (18 Sheets)
_____	AF	B. Stein, et al; "Coronary Heart Disease/Myocardial Infarction: Influence of Diabetes Mellitus on Early and Late Outcome After Percutaneous Transluminal Coronary Angioplasty;" *Circulation*; Vol. 91; No. 4; February 15, 1995; pp. 979-989. (22 Sheets)
_____	AG	A.G. Violaris; "Interventional Cardiology: Long-Term Luminal Renarrowing After Successful Elective Coronary Angioplasty of Total Occlusions: A Quantitative Angiographic Analysis;" *Circulation*; Vol. 91; No. 8; April 15, 1995; pp. 2140-2150. (24 Sheets)
_____	AH	G.S. Mintz, et al.; "Arterial Remodeling After Coronary Angioplasty: A Serial Intravascular Ultrasound Study;" *Circulation*; Vol. 94; No. 1; July 1, 1996; pp. 35-43. (20 Sheets)
_____	AI	R. Hoffman, et al.; "Coronary Heart Disease/Myocardial Infarction/Bypass Grafts/Endothelial Function: Patterns and Mechanisms of In-Stent Restenosis: A Serial Intravascular Ultrasound Study;" *Circulation*; Vol. 94; No. 6; September 15, 1996; pp. 1247-1254. (18 Sheets)

Examiner	Date Considered

INFORMATION DISCLOSURE STATEMENT PTO-1449	Atty. Docket No. **050070**	Serial No. **New Application**
	Applicant(s): **Yoshiji YAMADA, et al.**	
	Filing Date: **February 9, 2005**	Group Art Unit: **Not Yet Assigned**

OTHER DOCUMENTS

_____	AJ	C. Amant, et al.; "D Allele of the Angiotensin I-Converting Enzyme Is a Major Risk Factor for Restenosis After Coronary Stenting;" *Circulation*; Vol. 96; No. 1; July 1, 1997; pp. 56-60. (11 Sheets)
_____	AK	F. Ribichini, et al; "Plasma Activity and Insertion/Deletion Polymorphism of Angiotensin I-Converting Enzyme;" *Circulation*; Vol. 97; 1998; pp. 147-154.
_____	AL	H. Völzke, et al.; "The angiotensinogen gene 235T variant is associated with an increased risk of restenosis after percutaneous transluminal coronary angioplasty;" *Clinical Science*; Vol. 99; 2000; pp. 19-25.
_____	AM	D. H. Walter, et al; "Platelet Glycoprotein IIIA Polymorphisms and Risk of Coronary Stent Thrombosis;" *Lancet*; Vol. 350; 1997; pp. 1217-1219. (7 Sheets)
_____	AN	S. Humphries, et al.; "The 5A6A polymorphism in the promoter of the stromelysin-1 (MMP3) gene as a risk factor for restenosis;" *European Heart Journal*; Vol. 23; 2002; pp. 721-725.
_____	AO	M. Rauchhaus, et al.; "The E-selectin SER128ARG gene polymorphism and restenosis after successful coronary angioplasty;" *International Journal of Cardiology*; Vol. 83; 2002; pp. 249-257.
_____	AP	N. von Beckerath, et al.; "Glycoprotein Ia C807T polymorphism and risk of restenosis following coronary stenting;" *Atherosclerosis*; Vol. 156; 2001; pp. 463-468.
_____	AQ	N. von Beckerath; "G Protein β3 subunit polymorphism and risk of thrombosis and restenosis following coronary stent placement;" *Atherosclerosis*; Vol. 149; 2000; pp. 151-155.
_____	AR	H. Matsuno, et al; "Inhibition of von Willebrand Factor Binding to Platelet GP Ib by a Fractionated Aurintricarboxylic Acid Prevents Restenosis After Vascular Injury in Hamster Carotid Artery;" *Circulation*; Vol. 96; No. 4; August 19, 1997; pp. 1299-1304. (15 Sheets)
_____	AS	G. Iaccarino, et al; "Targeting $G_{\beta\gamma}$ signaling in arterial vascular smooth muscle proliferation: A novel strategy to limit restenosis;" *Proc. Natl. Acad. Sci. USA*; Vol. 96; March 1999; pp. 3945-3950.

Examiner	Date Considered

10/524021

05 Rec'd PCT/PTO 09 FEB 2005

INFORMATION DISCLOSURE STATEMENT PTO-1449	Atty. Docket No. **050070**	Serial No. **New Application**
	Applicant(s): **Yoshiji YAMADA, et al.**	
	Filing Date: **February 9, 2005**	Group Art Unit: **Not Yet Assigned**

OTHER DOCUMENTS

_____	AT	N. Clausell, et al.; "Expression of tumour necrosis factor alpha and accumulation of fibronectin in coronary artery restenotic lesions retrieved by atherectomy;" *British Heart Journal*; Vol. 76; No. 6; June 1995; pp. 534-539 (1 Sheet-Abstract only)
_____	AU	M. Gawàz, et al.; "Changes in membrane glycoproteins of circulating platelets after coronary stent implantation;" *Heart*; Vol. 76; 1996; pp. 166-172 (1 Sheet-Abstract only)
_____	AV	RYL Zee, et al.; "Multi-locus interactions predict risk for post-PTCA restenosis: an approach to the genetic analysis of common complex disease;" *The Pharmacogenomics Journal*; Vol. 2; 2002; pp. 197-201./Cited in the International Search Report.
_____	AW	N. von Beckerath, et al.; "Glycoprotein Ia gene C807T polymorphism and risk for major adverse cardiac events within the first 30 days after coronary artery stenting;" *Blood*; Vol. 95; No. 11; June 2000; pp. 3297-3301./Cited in the International Search Report.
_____	AX	F. Ribichini; "In-stent restenosis;" *Ital Heart J.*; Vol. 2; No. 10; October 2001; pp. 728-735./Cited in the International Search Report.
_____	AY	C. Bauters, et al; "Gene Poymorphisms and Outcome After Coronary Angioplasty;" *Curr. Interv. Cardiol. Rep.*; Vol. 3; No. 4; November 2001; pp. 281-286./Cited in the International Search Report.
_____	AZ	I. Taniguchi, et al.; "The DD genotype of angiotensin converting enzyme polymorphism is a risk factor for coronary artery disease and coronary stent restenosis in Japanese patients;" *Jpn. Circ. J.*; Vol. 65; No. 10; October 2001; pp. 897-900./Cited in the International Search Report.
_____	BA	M. Hamon, et al.; "Dual determination of antiotensin-converting enzyme and angiotensin-II type 1 receptor genotypes as predictors of restenosis after coronary angioplasty;" *Am. J. Cardiol*; Vol. 81; No. 1; January 1998; pp. 79-81./Cited in the International Search Report.

Examiner	Date Considered

The PTO did not receive the following listed item(s) NPL AZ & BA